# 20" TFT LCD UXGA monitor

200P3A

- *20-inch color LCD monitor with excellent display performance*
- *Multiple video input allowing displaying of DVI-I digital/analog, VGA analog*
- *Embedded AC power supply*
- *Front firing speakers with 48W PMPO stereo sound output*
- *Advanced AUTO adjustment optimizes picture quality*
- *Adjustable tilt and swivel function*

Plug and Play

Built-in POWER SUPPLY

BRILLIANCE

Let's make things better.

PHILIPS

# 20" TFT LCD UXGA monitor

200P3A

## Technical Specifications

### LCD panel

| | |
|---|---|
| • Type | TFT LCD |
| • Screen size | 20.1 inch / 51 cm |
| • Pixel Pitch | 0.255 x 0.255mm |
| • LCD Panel type | 1600 x 1200 pixels<br>R.G.B. vertical stripe<br>Anti-glare polarizer, hard coated |
| • Effective viewing area | 408 x 306 mm |
| • Display colors | 8 bits interface (16M colors) |

### Scanning

| | |
|---|---|
| • Vertical refresh rate | 56~85 Hz |
| • Horizontal frequency | 30~94 kHz (analog input),<br>30~92 KHz (digital input) |

### Video

| | |
|---|---|
| • Video dot rate (Max.) | 202 MHz |
| • Input impedance | |
| - video | 75 Ohm |
| - Sync | 2K Ohm |
| • Input signal levels | 0.7 Vpp |
| • Sync input signal | Separate sync<br>Composite sync<br>Sync on green |
| • Sync polarities | Positive and negative |
| • Video interface | Triple input (two connectors):<br>D-Sub (analog) and DVI-I<br>(accepts both digital and analog)<br>are available and user selectable |

### Audio-In

| | |
|---|---|
| • Input signal level | 0.7 Vpp |
| • Headphone out signal level | 32Ω 20+20mW |
| • Input signal connector | 3.5mm mini jack |
| • Loudspeaker | 2+2W RMS stereo front firing<br>(PMPO: 48W) |

### Microphone

| | |
|---|---|
| • Sensitivity | -55dB re 1V/μbar at 1kHz |
| • Output impedance | 2.2KΩ max |
| • Directivity | -5dB at 180° |
| • Frequency range | 300Hz~3KHz |

### Optical characteristics

| | | |
|---|---|---|
| • Contrast ratio | 300 (typ.) | |
| • Brightness | 250 cd/m$^2$ (typ.) | |
| • Peak contrast angle | 6 o'clock | |
| • White chromaticity | x: 0.281 | y: 0.311 (at 9300°K) |
| | x: 0.312 | y: 0.338 (at 6500°K) |
| • Viewing angle (C/R >10) | Upper | ≥ 85°(typ.) |
| | Lower | ≥ 85°(typ.) |
| | Left | ≥ 85°(typ.) |
| | Right | ≥ 85°(typ.) |
| • Response time | ≤30 ms (typ.) | |

### Resolution & preset modes

| | |
|---|---|
| • Maximum | 1600x1200 at 75Hz (analog input)<br>1600x1200 at 60Hz (digital input) |
| • Recommended | 1600x1200 at 60Hz |
| • 50 user definable modes | |
| • 18 factory preset modes: | |
| | H.freq(KHz)/ V.freq (Hz) |
| 640 x 350 | 31.5/70 |
| 720 x 400 | 31.5/70 |
| 640 x 480 | 31.5/60 |
| 640 x 480 | 35.0/67 |
| 640 x 480 | 37.5/75 |
| 800 x 600 | 35.2/56 |
| 800 x 600 | 37.9/60 |
| 800 x 600 | 46.9/75 |
| 832 x 624 | 49.7/75 |
| 1024 x 768 | 48.4/60 |
| 1024 x 768 | 60.0/75 |
| 1152 x 870 | 69.0/75 |
| 1152 x 900 | 71.8/76 |
| 1280 x 1024 | 63.9/60 |
| 1280 x 1024 | 80.0/75 |
| 1280 x 1024 | 91.1/85 |
| 1600 x 1200 | 75.0/60 |
| 1600 x 1200 | 93.8/75 |

(Interlace mode is not applicable)

We recommend using 1280 x 1024 at 60Hz non-interlaced mode for the best picture quality
As an Energy Star partner, Philips has determined that this product meets the Energy Star guidelines for energy efficiency.
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### Plug and play compatibility

- Display data channel DDC 2B (VESA)
- Microsoft® Windows® 95/98/ Me & 2000/XP compatible

### Power management

Complies with EPA Energy Star and NUTEK specifications

| | |
|---|---|
| • Typical operation | 52W (typical) |
| • Sleep mode | 3W |

### Low-emission characteristics

- Complies with MPR-II and TCO '99 specifications

### Monitor controls and functions

| | | |
|---|---|---|
| • Front | Power on/off | - Tact Switch |
| | OK | - Tact Switch |
| | Up/ Down (Bringtness) | - Tact Switch |
| | Left/ Right (Volume) | - Tact Switch |
| | Auto | - Tact Switch |
| | Mute | - Tact Switch |
| | Input | - Tact Switch |
| | SIZE | - Tact Switch |
| • LED indicator | Power | Green: power on<br>Amber: stand by/ sleep mode<br>Flashing Green: New mode |
| | Mute | Red |

### Connections and cables

| | |
|---|---|
| • Connections on monitor | |
| - Video in | 15-pin D-sub (analog)<br>DVI-I (digital/analog) |
| - Power | IEC/CEE-22 type male power inlet<br>on monitor body |
| - PC Audio in | 3.5mm audio in jack |
| - Microphone out | 3.5mm Mic out jack |
| - Headphone | 3.5mm headphone jack |
| • Cables | D-Sub video cable, DVI to D-Sub video cable<br>Power cord<br>Audio in cable, Mic cable |

### Regulatory approvals

- TÜV/GS, TÜV-Ergo
- FCC-B, UL, CSA
- SEMKO
- MPR-II Low Emission
- CE Mark
- NUTEK, Energy Star
- TCO '99

### Physical specifications

| | |
|---|---|
| • Dimension (WxHxD) | 488 x 459 x 220 mm |
| • Tilt / Swivel | -5°~25° / ± 175° |
| • Weight | 10 Kg |
| • Power supply | 100 – 240 VAC, 50/60 Hz |
| • Power consumption | 52 W* (typ.) |
| • Temperature (operating) | +5°C to +35°C |
| • Temperature (Storage) | -20°C to +60°C |
| • Relative humidity | 20% to 80% |
| • System MTBF | 50K hrs (excluding CCFL 40K hrs) |

* Resolution 1600x 1200, standard size, contrast max. brightness 50%, 9300°K, Full white pattern.

All data subject to change without notice
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***www.philips.com***